2-Deburr

QC2

3-Scribe batch number

50 06.02.05

NSPECT PARTS AS THEY COME OFF MACHIN

Comment: INSPECT PARTS AS THEY COME OFF MACHINE

M8/50 06,02-01

 \leq

P10

Each

4.0

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES									
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
				**							
1											
							:				

Part No: D3 183 043 PAR #: NA Fault Category: Red Machine Part NCR: Yes No DQA:

Date: 06/00/14

NCR:	2555	GD W	ORK ORDER NON-CONFORMANCE (NCR)					
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section B Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector
\$	3	- Connterbores and stats dec bis. Wo bb/y doct holder undth of stats one one piece is 0.715" instanced of 0.705"	P	-Change deal holder -Paper DK (sue envil)	CC.03.08	(a.n.14	6601.15 10 051 642	Tunes
					•			
								-

NOTE: Date & initial all entries

Wednesday, 1/18/2006 4:04:54 PM. Date: Kim Johnston User: **Process Sheet Drawing Name: BRACKET ASSEMBLY** Customer: CU-DAR001 Dart Helicopters Services Part Number: D3183043 Job Number: 25556D Job Number: Description: Seq. #: **Machine Or Operation:** SECOND CHECK 5.0 Comment: SECOND CHECK Bolt D312121 6.0 2.0000 Each(s)/Unit Total: 8.0000 Each(s) Comment: Qty.: Pick: **Qty Part Number** Description Batch 2 D3121-21 Bolt Bas456 Bearing Assembly 7.0 D3183045 2.0000 Each(s)/Unit Total: 8.0000 Each(s) Comment: Qty.: Pick: Qty Part Number Description Batch B23974 2 D3183-045 Bearing Ass SMALL & MEDIUM FAB RESOURCE 1 8.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 MS 06/02/10 Assemble D3183-043 as per Dwg D3183. INSPECT WORK TO CURRENT STEP QC5 9.0 Comment: INSPECT WORK TO CURRENT STEP PACKAGING RESOURCE #1 PACKAGING 1 10.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 11.0 Comment: DOCUMENT CONTROL Sut 06/02/14 Inspection Level 21 Job Completion

Form: rprocess

Page 2

Dart Aerospace Ltd

W/O:			WORK ORDER CHANGES										
DATE	STEP		PR	OCEDURE CHANGE	1	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
		,											
			·										
Part No):		PAR #:	Fault Category:			No DQ		Date: _ _ Date: _				

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
<u> </u>		Description of NC		Corrective Action Section B				A		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector		
		Na								
							<i>^</i>			

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	2556D
Description: Bracket	Part Number:	D3183-3
Inspection Dwg: D3183 Rev: C		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

Drawing Tolerance		Actual	Accept	Reject	Method of	Comments
Dimension,	loierance	Dimension	Accept	Reject	Inspection	Oomments
R0.190	+/-0.030	R-188	//			
R0.063	+/-0.010	R-063	//			
0.182	+/-0.010	-1.80				
0.070	+/-0.010	1070				
0.100	+/-0.010	.103				
Ø0.201 x 0.100	+/-0.010	199 X.100	سا			
-€0.182	+/-0.010	.)83	<u></u>			Cannot measure
5.32	+/-0.030	5.324				
5.036	+/-0.010	5.036	<u> </u>			
2.120	+/-0.010	2-120				
1.290	+/-0.010	1.288				
0.365	+/-0.010	.365				
0.218	+/-0.010	214				
1.030	+/-0.010	1:631				
1.90	+/-0.030	1.888				
1.012	+/-0.010	1.016	V			
Ø0.201 x 0.100	+/-0.010	1.201×100				
0.182	+/-0.010	. 182				
0.786	+/-0.010	.791	/			
Ø0.392	+0.002/-0.000	. 393				
R0.19	+/-0.030	R-188				
3.954	+/-0.010	3.957	-	,	1.	A CONTRACTOR OF THE PROPERTY O
0.162	+/-0.010	.162			•	, ttp
R0.19	+/-0.030	R-19	0			
R0.25	+/-0.030	R.250				
4.26	+/-0.030	4.265			1/2	
2.080	+/-0.030	300				
1.155	+/-0.010	1.155	V			to the second se
0.162	+/-0.010	.167	V			
0.36	+/-0.030	;30				*
0.615	+/-0.010	-616	/_			
0.435	+/-0.010	1434				
0.200	+/-0.010	202				
0.381	+/-0.010	379			**	
0.032	+/-0.010	0.025	/			:.:

Measured by:	SD/MS	Audited by:	mh	Prototype Approval:	N/A
Date:	80,0000	Date:	06/02/09	Date:	4

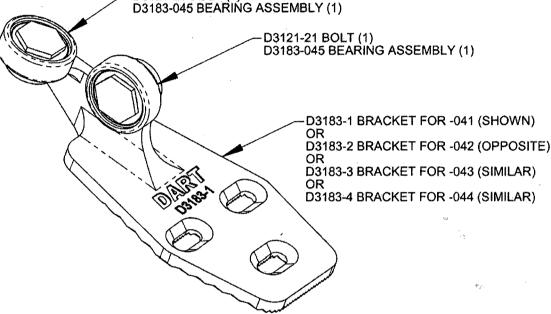
Rev	Date	Change	Revised by	Approved
Α	03.11.12	New Issue	KJ/RF	A. C.
В	04.03.15	Changes as per revision C	KJ/JLM/RF	



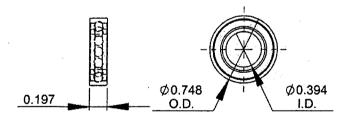


	DESIGN DRAWN BY CHECKED APPROVED		BY P	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
)			ED	DRAWING NO.	REV. C SHEET 1 OF 4		
	04.02.17				BRACKET ASSEMBLY	SCALE 1:1	
	Α.	0	3.01.24		NEW ISSUE		
	В	0	3.06.17		REMOVE BEARING; 1.012 WS 0.882		
	С	.0	4.02.17		ADD -045/-9; 0.182 WAS 0.431		

C1 - 1 0 D3121-21 BOLT (1) 04.11.09 0.830 WAS 0.850

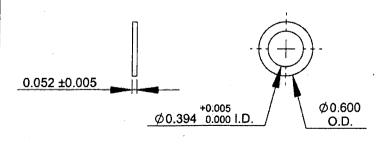


D3183-041 BRACKET ASSEMBLY (SHOWN)
D3183-042 BRACKET ASSEMBLY (OPPOSITE)
D3183-043 BRACKET ASSEMBLY (SIMILAR)



D3183-5 BEARING: SPECIFICATION CONTROL DRAWING

- 1) SINGLE ROW, DEEP GROOVE, CONRAD TYPE, SHIELDED 2) POSSIBLE SUPPLIER: NSK P/N 6800ZZ
- 3) ALL DIMENSIONS ARE IN INCHES



D3183-7 WASHER

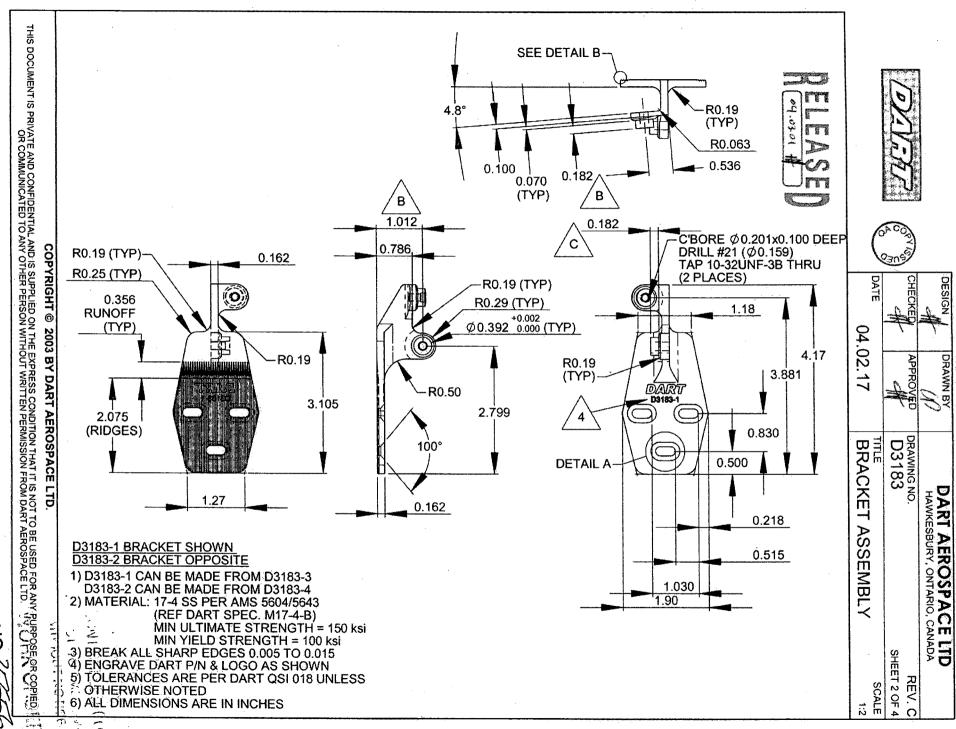
- 1) MATERIAL: AISI 303 ROUND BAR (M303R) ANNEALED
- 2) BREAK ALL SHARP EDGES 0.005 TO 0.010 3 TOLERANCES ARE PER DART QSI 018
- UNLESS OTHERWISE NOTED REPURN TO

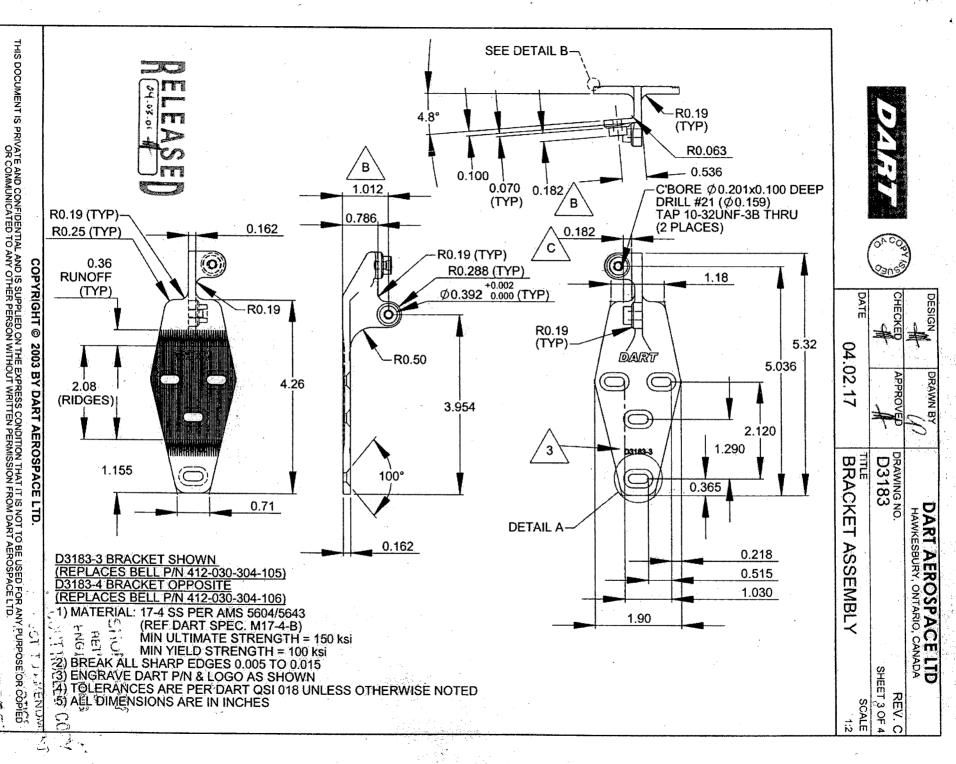
 4) ALL DIMENSIONS ARE IN INCHESING MEERING

INCONTROLLED CU

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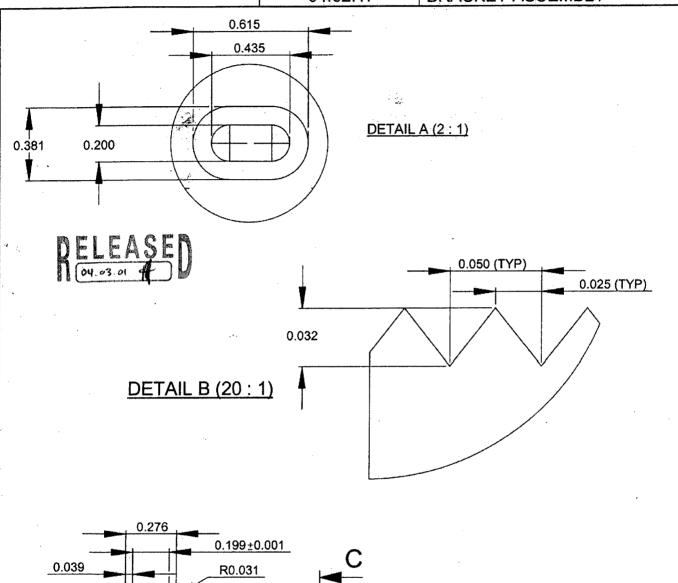
NO. 25556 D.

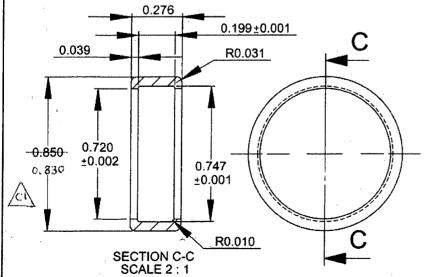






			The state of the s		
	DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
-	CHECKED	APPROVED	DRAWING NO.	REV. C	
1	DATE	<u> </u>	TITLE	SHEET 4 OF 4 SCALE	
		02:17	BRACKET ASSEMBLY	1.1	





D3183-9 CAP

- 1) MATERIAL: DELRIN ROD, Ø1.00
 - (REF DART SPEC. M-DELRIN-R1.00)
- 2) TOLERANCES ARE PER DART QSI 018
- **UNLESS OTHERWISE NOTED**
- 3) ALL DIMENSIONS ARE IN INCHES

D3183-045 BEARING ASSEMBLY

1) ASSEMBLE D3183-5 BEARING AND TO D3183-9 CAP D3183-9 CAP

ENG MEERING

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NO 25556D

Chris Provencal

From:

February 10, 2006 1:00 PM Sent: **Chris Provencal** To: Re: D3183-3 Bracket Subject: This is an acceptable deviation. David ---- Original Message -----From: "Chris Provencal" <cprovencal@dartaero.com> To: <davids@dartaero.com> Sent: Friday, February 10, 2006 6:21 AM Subject: FW: D3183-3 Bracket > ----Original Message-----> From: Chris Provencal [mailto:cprovencal@dartaero.com] > Sent: February 9, 2006 3:26 PM > To: 'davids@dartaro.com' > Subject: D3183-3 Bracket > For D3183-3 bracket (roller brackets) > There was a worn out tool, for the slotted holes on one, the height of the > slots should be 0.200, we are measuring 0.215". Is this OK? > Sincerely, > Chris Provencal > DART Aerospace Ltd. > Email..cprovencal@dartaero.com > Phone...613-632-3336 > Fax.....613-632-4443 >

David Shepherd [davids@dartaero.com]